

# electronic music laboratories, inc.

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## THE EML 301 MANUAL CONTROLLER

THE EML 301 IS MANUFACTURED IN LIMITED QUANTITIES - THERE IS NO "FORMAL" DESCRIPTIVE LITERATURE AVAILABLE.

THE EML 301 IS INTENDED AS AN OPTION FOR, AND NORMALLY GETS IT'S POWER FROM, THE EML 200 STUDIO SYNTHESIZER OR THE EML 400 SEQUENCER. THIS VERSION IS \$375.00.

IF THE EML 301 IS TO BE USED WITH THE EML 101 OR SYNTHESIZERS MANUFACTURED BY OTHERS, THE SELF POWERED VERSION, PRICED AT \$425.00 SHOULD BE ORDERED. THIS WILL PERMIT USING THE EML 301 AS A SIMPLE INDEPENDENT INSTRUMENT.

### THE EML 301 CONTAINS:

1. A MANUAL VOLTAGE GENERATOR WITH A 16 KEY TELEPHONE TYPE KEYBOARD ARRANGED IN A 4 BY 4 MATRIX. 16 CONTROLS, ALSO ARRANGED IN A MATRIX, ARE USED FOR ADJUSTING THE VOLTAGE OF EACH KEY. WHEN A KEY IS DEPRESSED, A TRIGGER IS INITIATED AND A SAMPLED VOLTAGE OUTPUT IS AVAILABLE.
2. A VOLTAGE CONTROLLED OSCILLATOR WITH AUDIO AND SUBAUDIO RANGE. THE VCO HAS CONTINUOUSLY VARIABLE WAVEFORMS, INCLUDING; TRIANGLE, SQUARE, AND SAWTOOTH. A VIBRATO OR FREQUENCY MODULATION INPUT IS PROVIDED.
3. A DC COUPLED VOLTAGE CONTROLLED AMPLIFIER WITH ALL INPUTS AND OUTPUTS AVAILABLE.
4. AN A-R ENVELOPE GENERATOR
5. A LOW FREQUENCY OSCILLATOR WITH TRIANGLE WAVEFORM.
6. SAMPLE & HOLD CIRCUIT MAY BE TRIGGERED FROM EXTERNAL SOURCE, MATRIX KEYBOARD, OR REPETATIVELY AT VARIABLE RATE.
7. AN X-Y JOYSTICK CONTROLLER WITH +/- VOLTAGE OUTPUTS.
8. A VARIETY OF INPUT AND OUTPUT JACKS TO FACILITATE CREATIVE PATCHING.

THE EML 301 IS APPROXIMATELY 14" WIDE, 7" DEEP, AND 4" HIGH. DELIVERY IS STOCK FROM THE FACTORY.